

Converting Colors

$Y_{xy}(18.0504, 0.2655, 0.2180)$

Have a look what the booklet for
Yxy(18.0504, 0.2655, 0.2180)
contains.

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Color

Yxy(18.1490, 0.2658, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	826AAF
RGB	130, 106, 175
RGB Percent	51%, 42%, 69%
CMY	0.4902, 0.5843, 0.3138
CMYK	0.26, 0.39, 0.00, 0.31
HSL	261°, 30%, 55%
HSV	261°, 39%, 69%
XYZ	22.0980, 18.1490, 42.8908
YIQ	121.0420, -7.8450, 26.5470

Conversions

Conversions Part 2

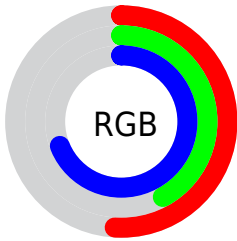
Format	Color
R_{YB}	130, 106, 175
Decimal	8546991
CIE _{Lab}	49.68, 24.36, -33.38
CIE _{LCh}	50, 41.321, 306.128
Yxy	18.1490, 0.2658, 0.2183
Android (android.graphics.Color)	4286737071 (0xFF826AAF)
YUV	121.0420, 26.6013, 7.8562
Hunter-Lab	42.6016, 18.0375, -29.8713

Details

The Yxy color **18.1490, 0.2658, 0.2183** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.2745, 0.3473, 0.4331**, and the grayscale version is **19.0498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4136, 0.2766, 0.2409**, and **6.0935, 0.2463, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **14.0507, 0.2505, 0.1870**, and if you desaturate by 10%, it is **23.0847, 0.2799, 0.2491**.

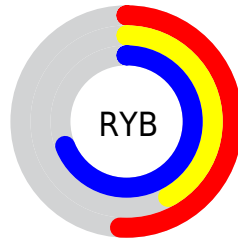
Distribution



Red (51%)

Green (42%)

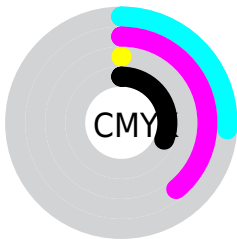
Blue (69%)



Red (51%)

Yellow (42%)

Blue (69%)

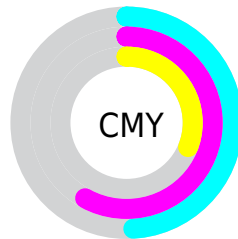


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (31%)



Cyan (49%)


Magenta (58%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1490, 0.2658, 0.2183 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.1490, 0.2658, 0.2183 by changing the saturation by 10% instead.


 18.1490, 0.2658,
0.2183


 18.1490, 0.2658,
0.2183


241.7095, 0.2934,
0.2774


 11.0570, 0.2574,
0.2026


 40.2911, 0.2769,
0.2405


 6.1052, 0.2456,
0.1821


 56.1099, 0.2808,
0.2487

 2.9092, 0.2282,
0.1545

 75.6065, 0.2839,
0.2554

 1.0845, 0.2007,
0.1163

 99.1653, 0.2864,
0.2612

 0.0000, 0.1575,
0.0000

127.1705, 0.2886,
0.2661

 0.0000, 0.0000,
0.0000

160.0068, 0.2904,

0.2704

198.0583, 0.2920,
0.2741

■ 18.1490, 0.2658,
0.2183

■ 18.1490, 0.2658,
0.2183

■ 14.0507, 0.2505,
0.1870

■ 23.0847, 0.2799,
0.2491

■ 10.7394, 0.2344,
0.1566

■ 28.8999, 0.2926,
0.2784

■ 8.1622, 0.2182,
0.1288

■ 35.6366, 0.3036,
0.3056

■ 6.2590, 0.2028,
0.1053

■ 43.3333, 0.3132,
0.3304

■ 4.9591, 0.1891,
0.0876

■ 52.0263, 0.3214,
0.3526

■ 4.1265, 0.1776,
0.0755

■ 61.7500, 0.3284,
0.3725

■ 4.0838, 0.1769,
0.0748

■ 72.5371, 0.3342,
0.3900

■ 84.4189, 0.3392,
0.4056

■ 91.8866, 0.3451,
0.4118

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.1490, 0.2095, 0.2105



18.1490, 0.2658, 0.2183



18.1490, 0.3434, 0.2481

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.1490, 0.2658, 0.2183



18.1490, 0.4606, 0.4080



18.1490, 0.2109, 0.3553

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.1490, 0.2658, 0.2183



38.2745, 0.3473, 0.4331

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.1490, 0.2697, 0.4362



18.1490, 0.2658, 0.2183



18.1490, 0.4143, 0.4570

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.1490, 0.2658, 0.2183



18.1490, 0.4652, 0.3504



18.1490, 0.3443, 0.4745



18.1490, 0.1809, 0.2773

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.1490, 0.2658, 0.2183



18.1490, 0.3969, 0.2777



18.1490, 0.3443, 0.4745



18.1490, 0.2277, 0.3842

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.1497, 0.2658, 0.2183



60.3041, 0.3007, 0.2983



28.6136, 0.2534, 0.2911



13.0558, 0.2993, 0.2949



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1497, 0.2658, 0.2183



26.2536, 0.2530, 0.1920



21.2416, 0.3037, 0.2296



7.8877, 0.3038, 0.3059



2.9562, 0.1781, 0.0755



0.1132, 0.2147, 0.0956

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.6549, 0.3464, 0.2640



33.5342, 0.3564, 0.2506



35.5136, 0.3167, 0.4439



8.1000, 0.3189, 0.3143



7.4103, 0.4310, 0.2148



0.2160, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 18.1490, 0.2658, 0.2183 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.1490, 0.2658, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

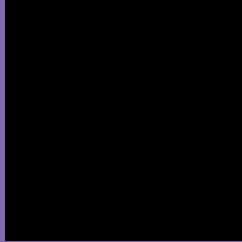
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1490, 0.2658, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 18.1490, 0.2658, 0.2183.

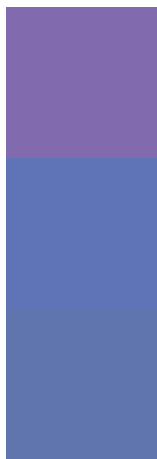


This preview shows how white text looks on a background with the Yxy color 18.1490, 0.2658, 0.2183.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.1490, 0.2658, 0.2183

Protanopia

18.2894, 0.2283, 0.2152

Deuteranopia

18.2265, 0.2370, 0.2307



Tritanopia

18.0621, 0.3073, 0.3101

Trichromacy



Original Color

18.1490, 0.2658, 0.2183

Protanomaly

18.0094, 0.2401, 0.2152

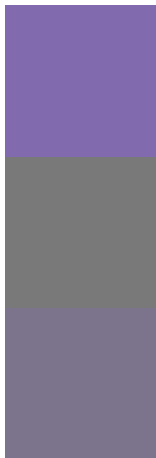
Deuteranomaly

18.0544, 0.2458, 0.2249

Tritanomaly

17.8870, 0.2906, 0.2716

Monochromacy



Original Color

18.1490, 0.2658, 0.2183

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6990, 0.2941, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1490, 0.2658, 0.2183 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(130, 106, 175)` looks like.

```
.text, #text, p{  
    color:rgb(130, 106, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(130, 106, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 106, 175) }
```

Border

The CSS property to change the border of an element to Yxy 18.1490, 0.2658, 0.2183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 106, 175) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(130, 106, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(130, 106, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 106, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 106, 175);  
box-shadow:4px 4px 4px 4px rgb(130, 106,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1490, 0.2658, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 106, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(130,  
106, 175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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